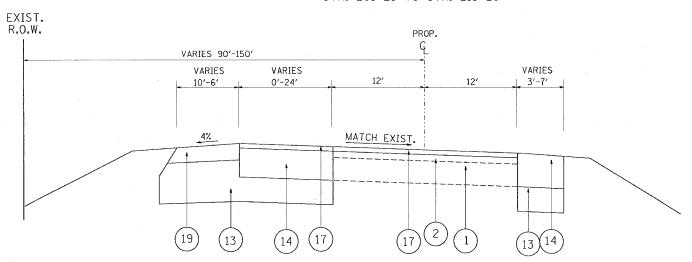
EXISTING TYPICAL SECTION U.S. ROUTE 20 WESTBOUND LANES STA. 201+25 TO STA. 213+29



PROPOSED TYPICAL SECTION U.S. ROUTE 20 WESTBOUND LANES STA. 201+25 TO STA. 213+29

MIXTURE REQUIREMENT	TS	
MIXTURE TYPE	AC TYPE	VOIDS
PAVEMENT WIDENING		
POLY. HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2" (IL 9.5 mm)	SBS/SBR PG 70-22	4% @ 90 GYR.
HOT-MIX ASPHALT BASE COURSE WIDENING, (HMA BINDER IL-19 mm)	PG 64-22*	4% @ 90 GYR.
PAVEMENT RESURFACING		
POLY. HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2" (IL 9.5 mm)	SBS/SBR PG 70-22	4% @ 90 GYR.
LEVELING BINDER (MACHINE METHOD), N70	PG 64-22*	4% @ 70 GYR
PATCHING		
CLASS D PATCHES (HMA BINDER IL-19 mm)	PG 64-22*	4% @ 70 GYR.
HMA REPLACEMENT OVER PATCHES (HMA BINDER IL-19 mm)	PG 64-22*	4% @ 70 GYR.
SHOULDER		
HOT-MIX ASPHALT SHOULDER (HMA BINDER IL-19 mm)	PG 64-22*	2% @ 30 GYR.
DRIVEWAY		
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19 mm)	PG 64-22*	4% @ 50 GYR.
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (IL 9.5 mm)	PG 64-22	4% @ 50 GYR.

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN. • WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22.

SUBGRADE TREATMENT PLAN NOTES

POROUS GRANULAR EMBANKMENT, SUBGRADE (PGES) HAS BEEN RECOMMENDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSUITABLE OR UNSTABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH PGES WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.03 AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS ENCOUNTERED. THE SOIL SHALL BE REMOVED AND REPLACED WITH PGES AS DETERMINED BY THE GEOTECHNICAL ENGINEER. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

1- PROPOSED 12 INCH AGGREGATE SUBGRADE SUFFICIENT AT ALL STATIONS EXCEPT AS SHOWN. 2- DEPTH REFERS TO DEPTH OF REMEDIAL TREATMENT BELOW AGGREGATE SUBGRADE.

3- REPLACEMENT MATERIAL OR TREATMENT:

EMBANKMENT MATERIAL AND PLACEMENT IN ACCORDANCE WITH SECTIONS 205, 206, 507 AND 210 PGES- POROUS GRANULAR EMBANKMENT, SUBGRADE

LOCATION	DEPTH INCHS	TREATMENT WIDTH	TREATMENT MATERIAL
US 20 (LAKE STREET)			
STA 223+70 TO STA 230+00	6 INCH	PROP. WIDENING	PGES

PAVEMENT UNDERDRAIN LOCATIONS

US 20 (LAKE STREET)	STATION LOCATIONS
WEST BOUND WEST LEG	229+50 TO 230+50, LT CL
EAST BOUND WEST LEG	79+50 TO 80+50, RT CL
EAST BOUND EAST LEG	82+50 TO 83+50, RT AND LT CL
SHALES PARKWAY	35+00 TO 36+00, RT AND LT CL
BLUFF CITY BLVD.	31+00 TO 32+00, RT AND LT CL

LEGEND

COUNTY COOK 8R-1-N-1 196 8 STA. TO STA. FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

CONTRACT # 62617

(1) EXISTING PCC PAVEMENT (US 20), $\pm 9\frac{1}{2}$ "

(2) EXISTING HMA AFTER MILLING (US 20), \pm 4 "

(3) EXISTING PAVEMENT (SHALES PKWY), ± 11 1/4"

(3A) EXISTING PAVEMENT AFTER MILLING (SHALES PKWY), ± 8 3/4"

(4) EXISTING PAVEMENT (BLUFF CITY BLVD), ± 7 1/2"

(4A) EXISTING PAVEMENT AFTER MILLING (BLUFF CITY BLVD), ± 5 "

(5) EXISTING HOT-MIX ASPHALT SHOULDER

(6) EXISTING AGGREGATE SHOULDER (SEE ROADWAY PLANS)

(7) PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE B

(8) PROPOSED MEDIAN REMOVAL

(9) PROPOSED PAVED SHOULDER REMOVAL

(10) PROPOSED AGGREGATE SHOULDER REMOVAL (TO BE PAID AS EARTH EXC.)

(11) PROPOSED COMB. CURB AND GUTTER REMOVAL

(12) PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2"

(13) PROPOSED AGGREGATE SUB-GRADE, 12"

(14) PROPOSED HOT-MIX ASPHALT BASE COURSE WIDENING, 12" (US 20)~ [3 LIFTS]

(15) PROPOSED HOT-MIX ASPHALT BASE COURSE WIDENING, 7 3/4" (SHALES PKWY.)- [3 LIFTS]

(16) PROPOSED HOT-MIX ASPHALT BASE COURSE WIDENING, 10 3/4" (BLUFF CITY BLVD.)- [3 LIFTS]

(17) PROPOSED POLY. HOT-MIX ASPHALT SURFACE COURSE MIX "F", N90, 2"

PROPOSED LEVELING BINDER (MACHINE METHOD), N70 (MIN. 3/4" AND VARIES) (Sta. 90+00 to Sta. 92+02.9 on US 20)

(19) PROPOSED HOT-MIX ASPHALT SHOULDER, 8"

(20) PROPOSED RETAINING WALL (SEE ROADWAY PLANS)

(21) PROPOSED CONCRETE MEDIAN, TYPE SB-6.24

(22) PROPOSED COMB. CONC. CURB & GUTTER TY. B-6.24

(23) PROPOSED COMB. CONC. CURB & GUTTER TY. M-4.12

(24) PROPOSED AGGREGATE SHOULDER, TYPE B, 6"

(25) PROPOSED CONCRETE MEDIAN SURFACE 4"

(26) PROPOSED COMB. CONC. CURB & GUTTER TY. M-4.24

ILLINOIS DEPARTMENT OF TRANSPORTATION U.S. ROUTE 20 @ SHALES PARKWAY EXISTING/ PROPOSED TYPICAL SECTIONS SCALE: VERT. HORIZ. DRAWN BY

DATE CHECKED BY